

141800

Page 1

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 2/11/2016 **Start Qty:** 100.00 ***100***

Cust Item ID:

Required Date: 2/19/2016 **Req'd Qty:** 100.00 ***1.00***

Customer:

Reference:

Approvals: **Process Plan:** SD **Date:** 201602 **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop ***NR2***

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																												
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																												
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																												
Large Fab ☐	Composite ☐	Supplier ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By																																																							
								Lead hand / Supervisor Approval Verification																																																							
								QC / QA Coordinator Approval																																																							
Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
OTHER :																																																															

Work Order ID 141800

February 11, 2016 2:25:50 PM

141800

Page 2

Item ID: D3015-3 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Locknut
Start Date: 2/11/2016 Start Qty: 100.00 ***100*** Cust Item ID:
Required Date: 2/19/2016 Req'd Qty: 100.00 ***100*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>St02SA</u>	0.00							
130									
Packaging	Memo	0.02				<u>100</u>		<u>465</u>	<u>1602-22</u>
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.17				<u>MCS</u>		<u>FEB 24 2016</u>	
Quality Control									

MCS FEB 22 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

February 11, 2016 2:25:56 PM

Page 1

Work Order ID: 141800

141800

Parent Item: D3015-3

D3015-3

Parent Item Name: Locknut

Start Date: 2/11/2016

Required Date: 2/19/2016

Start Qty: 100.00

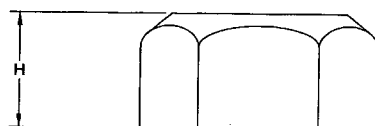
Required Qty: 100.00

Comments: IPP: A01.06.28New IssueSM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PFS-LNNC5/16S1		Purchased	No			110	Each	0.0000	1	100			
PFS-I NNC5/16S1										**			
Lock Nut										DAS			
										6			
										9.99			

FEB 22 2016

SPECIFICATION CONTROL DRAWING



D3015-X LOCKNUT

PART NUMBER	SIZE	HEIGHT H	POSSIBLE SUPPLIER
D3015-1	1/4-20 UNC	0.31	ACKLANDS, P/N PFSLNNC14S1
D3015-3	5/16-18 UNC	0.34	ACKLANDS, P/N PFSLNNC516S1
D3015-5	7/16-14 UNC	0.46	ACKLANDS, P/N PFSLNNC716S1
D3015-7	M5	0.19	ACKLANDS, P/N FLMN021-005-0000

△

RELEASED
09/07/08

20160-11
SA 141800

C	REFORMAT DWG. -7 P/N NOW FLMN021-005-0000 WAS LNNM5S1 (ZN B8-1), PAR 09-020	CP	09.07.08
B	ADD D3015-7	KJ	03.07.15
A	NEW ISSUE	DS	01.05.03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.08		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3015	REV. C
TITLE LOCKNUT	SCALE NTS
COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

NOTES:

- 1) MATERIAL: SS LOCKNUT WITH NYLON INSERT
- 2) FINISH: N/A
- 3) TOLERANCES: ALL DIMENSIONS SHOWN AS REFERENCE
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31349**

Purchase Order Date 2/12/2016

PO Print Date 2/17/2016

Page Number 1 of 2

Order From :

VC-ACK001

Ship To : DART AEROSPACE LTD

ACKLANDS - GRAINGER INC.
P.O. BOX 2970
WINNIPEG, MB R3C 4B5
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone

613 632 2739

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	PFS-LNNCS/16S1 AS PER DWG D3015 REV. C B141800	Lock Nut	2/18/2016 Yes 2/18/2016		100.00 Each	\$0.10	\$10.1
Line Total:							\$10.1
2	71401-45 PROCUREMENT QUALITY CLAUSES A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A025 CERTIFICATE OF CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS	PROCUREMENT QUALITY CLAUSES	2/18/2016 No 2/18/2016		1.00	\$0.00	\$0.0
Line Total:							\$0.0

22/2/16
SY

Note:

2/17/2016

**ACKLANDS
GRAINGER**Acklands Grainger - Toronto
21 Merchant Rd
Caledon East ON
L7C2X4
www.acklandsgrainger.com

Customer tax ID / No taxe:

Contact / Contacter:
DART AEROSPACE LTD**PACKING SLIP / BORDEREAU D'EXPÉDITION**

Customer PO / Du Client PO



*31349

Sold To / Vendu a:

DART AEROSPACE LTD
1270 ABERDEEN STDART AEROSPACE LTD VMI
HAWKESBURY ON K6A 1K7

Ship To / Address d'expédition:

DART AEROSPACE LTD
1270 ABERDEEN STDART AEROSPACE LTD VMI
HAWKESBURY ON
K6A 1K7

Delivery / Livrais



*6315637321

Shipping Conditions /
Conditions d'expédition
ZORIncoterms / Incoterms
0Payment terms /
Conditions de paiement:
Net 30 days after invoice dAccount manager order / Commande
du directeur descomptes:Order / Command
1255287053Delivery date /
Date d'envoi:
20/FEB/2016Order date / Date
de la commande:
17/FEB/2016

Requisitioner / Demande

Freight terms / Modalité
Prepaid and AddCarrier / transporteur:
UPSC

Notes / Remarques:

Line / Ligne	PO Line / Po Ligne	Material / Matériau Description / Description	Customer Material / Matériau du client	Unit Price / Prix unitaire	Per / Par	Extended Price / Prix tot	Ship quantity / Q	Order Quantity / Quantité com	UoM / unité d
10	3233742	FPBU51738.031.0001 LOCKNUT NY RGL SS304 UNC 5/16-18		10.14	100	10.14	100	100	EA
				SUB TOTAL / SOUS TOTAL		\$ 10.14			
				Freight / Fret		\$ 7.95			
				TAXE PROV / PROV. TAX T.P.S. / T.V.H. / G.S.T. / H.S.T		\$ 1.32			
				TOTAL AMOUNT / MONTANT TOTAL		\$ 19.41			

SHIP VIA / EXPÉDITEUR

UPSC

BILL OF LADING
CONNAISSEMENT
07000000001092270RECEIVED
BY
RECU
PAR

ACKLANDS GRAINGER		Acklands Grainger-Toronto 21 Merchant Rd Caledon East ON L7C2X4 www.acklandsgrainger.com		Customer tax ID / No taxe: Contact / Contacter: DART AEROSPACE LTD		PACKING SLIP / BORDEREAU D'EXPÉDITION							
						Customer PO / Du Client PO  *31349							
Sold To / Vendu à: DART AEROSPACE LTD 1270 ABERDEEN ST DART AEROSPACE LTD VMI HAWKESBURY ON K6A 1K7				Ship To / Address d'expédition: DART AEROSPACE LTD 1270 ABERDEEN ST DART AEROSPACE LTD VMI HAWKESBURY ON K6A 1K7		Delivery / Livrais  *6315637321							
Shipping Conditions / Conditions d'expédition		Incoterms / Incoterms		Payment terms / Conditions de paiement:		Account manager order / Commande du directeur descomptes:		Order / Command		Delivery date / Date d'envol:		Order date / Date de la commande:	
ZOR		0		Net 30 days after invoice d				1255287053		20/FEB/2016		17/FEB/2016	
Requisitioner / Demande		Freight terms / Modalité		Carrier / transporteur:		Notes / Remarques:							
		Prepaid and Add		UPSC									
Line / Ligne	PO Line / Po Ligne	Material / Matériau		Customer Material / Matériau du client		Unit Price / Prix unitair	Per / Par	Extended Price / Prix tot	Ship quantity / Q	Order Quantity / Quantité com	UoM / unité d		
10	3233742	FPBU51738.031.0001		LOCKNUT NY RGL SS304 UNC 5/16-18		10.14	100	10.14	100	100	EA		
SHIP VIA / EXPÉDITEUR UPSC						SUB TOTAL / SOUS TOTAL		\$ 10.14					
						Freight / Fret		\$ 7.95					
						TAXE PROV / PROV. TAX T.P.S. / T.V.H. / G.S.T. / H.S.T.		\$ 1.32					
						TOTAL AMOUNT / MONTANT TOTAL		\$ 19.41					
BILL OF LADING CONNAISSEMENT 07000000001092270													

RECEIVED
 BY
 RECU
 PAR